

Commonwealth of Virginia
Division of Consolidated Laboratory Services

600 North 5th St.
Richmond, Virginia 23219
804-648-4480



REPORT OF ANALYSIS

Report Date: 12/30/2021
DCLS LIMS #: E211204585

Mail To

DEQ-OFFICE OF AIR PROGRAMS
4949-C COX RD
GLEN ALLEN, VA 23060

Sample Information

DATE RECEIVED	12/20/2021 15:47	STATION ID	SWRO BRISTOL
SAMPLING DATE	12/15/2021 00:00	CONTAINER ID	315
COLLECTED BY	SAB	REGION CODE	404
SAMPLE MATRIX	Air	STATION LOCATION	BRISTOL LOCATION #3 COMMERCIAL PROGRAM
ORDERED TEST	TO15	LOCATION	#3 COMMERCIAL PROGRAM
REPORT BDL	Y	SAMPLE ID	B1521521
		PROGRAM CODE	BR

Test Results

APPROVED BY: GJOHNSON, Analyst DATE APPROVED: 12/30/2021

METHOD	PARAMETER	RESULT	AQS	ANALYSIS DATE
<u>EPA TO15</u>	Non-Target Compounds	Found		12/27/2021
	<i>Identified: Propane, Isobutane, 2-methyl-1-Propene, Butane, Ethanol, Acetone, Isopropyl Alcohol, 1,1-dimethyl-Cyclopropane, Pentane, 2-methyl-1-butene, Dimethyl Sulfide, 3-methyl-Butene, 2,2-dimethyl-Butane, 2,3-dimethyl-Butane, 2-methyl-Pentane, 2-Butanone, 3-methyl-Pentane, 3-methyl-Hexane, 2,2,3,3-tetramethyl-Butane, Octane, alpha Pinene, Decane, D-Limonene, Undecane.</i>			
	Propylene	3.25 ppbV	43205	12/27/2021
	Dichlorodifluoromethane	0.54 ppbV	43823	12/27/2021
	Chloromethane	0.50 ppbV	43801	12/27/2021
	Freon 114	< 0.125 ppbV	43208	12/27/2021
	Vinyl Chloride	< 0.125 ppbV	43860	12/27/2021
	1,3-Butadiene	< 0.125 ppbV	43218	12/27/2021
	Bromomethane	< 0.125 ppbV	43819	12/27/2021
	Ethyl Chloride	< 0.125 ppbV	43812	12/27/2021
	Acetonitrile	< 0.125 ppbV	43702	12/27/2021
	Acrolein	< 0.250 ppbV	43505	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Freon 11	0.25 ppbV	43811	12/27/2021
	Acrylonitrile	< 0.125 ppbV	43704	12/27/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	12/27/2021
	Methylene Chloride	0.09 ppbV	43802	12/27/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,2-Trichlorotrifluoroethane	0.07 ppbV	43207	12/27/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	trans-1,2-Dichloroethene	< 0.125 ppbV	43838	12/27/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	12/27/2021

Explanation of Terms and Disclaimers

Test Results meet all requirements of TNI 2009. Non-TNI 2009 accredited analyses noted by ^^The results included on this report relate only to this specific sample and not to other samples tested from this sampling location.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.

Commonwealth of Virginia
Division of Consolidated Laboratory Services

600 North 5th St.
Richmond, Virginia 23219
804-648-4480



REPORT OF ANALYSIS

Report Date: 12/30/2021
DCLS LIMS #: E211204585

Test Results

APPROVED BY: GJOHNSON, Analyst

DATE APPROVED: 12/30/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	MTBE	< 0.125 ppbV	43372	12/27/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	12/27/2021
	Hexane	0.62 ppbV	43231	12/27/2021
	Trichloromethane	0.02 ppbV	43803	12/27/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Ethyl Acetate	< 0.125 ppbV	43209	12/27/2021
	Tetrahydrofuran	0.57 ppbV	46401	12/27/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	12/27/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	12/27/2021
	Benzene	4.55 ppbV	45201	12/27/2021
	Carbon Tetrachloride	< 0.125 ppbV	43804	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Cyclohexane	0.10 ppbV	43248	12/27/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,2-Dichloropropane	< 0.125 ppbV	43829	12/27/2021
	Bromodichloromethane	< 0.125 ppbV	43828	12/27/2021
	Trichloroethylene	< 0.125 ppbV	43824	12/27/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	12/27/2021
	Heptane	0.18 ppbV	43232	12/27/2021
	cis-1,3-Dichloropropene	< 0.125 ppbV	43831	12/27/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	12/27/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	12/27/2021
	Toluene	1.17 ppbV	45202	12/27/2021
	Dibromochloromethane	< 0.125 ppbV	43832	12/27/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	12/27/2021
	Tetrachloroethylene	0.05 ppbV	43817	12/27/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Chlorobenzene	< 0.125 ppbV	45801	12/27/2021
	Ethylbenzene	0.54 ppbV	45203	12/27/2021
	m,p-Xylenes	0.81 ppbV	45109	12/27/2021
	Bromoform	< 0.125 ppbV	43806	12/27/2021
	Styrene	0.08 ppbV	45220	12/27/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	12/27/2021
	o-Xylene	0.26 ppbV	45204	12/27/2021
	4-Ethyltoluene	0.04 ppbV	45213	12/27/2021

Explanation of Terms and Disclaimers

Test Results meet all requirements of TNI 2009. Non-TNI 2009 accredited analyses noted by ^^The results included on this report relate only to this specific sample and not to other samples tested from this sampling location.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.

Commonwealth of Virginia
Division of Consolidated Laboratory Services

600 North 5th St.
Richmond, Virginia 23219
804-648-4480



REPORT OF ANALYSIS

Report Date: 12/30/2021
DCLS LIMS #: E211204585

Test Results

APPROVED BY: GJOHNSON, Analyst

DATE APPROVED: 12/30/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,3,5-Trimethylbenzene	0.05 ppbV	45207	12/27/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,2,4-Trimethylbenzene	0.12 ppbV	45208	12/27/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	12/27/2021
	1,4-Dichlorobenzene	0.15 ppbV	45807	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	12/27/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	12/27/2021

Explanation of Terms and Disclaimers

Test Results meet all requirements of TNI 2009. Non-TNI 2009 accredited analyses noted by ^^The results included on this report relate only to this specific sample and not to other samples tested from this sampling location.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.